

PTO/SB/08A (10-01)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known

Application Number	10/602,395		
Filing Date	June 23, 2003		
First Named Inventor	Charles L. Guy		
Art Unit	1653		
Examiner Name	Not yet assigned		
Sheet	1	of	3
		Attorney Docket Number	UF-326XC1

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	U1	US- 5,762,057	07-09-1998	The United States of America	All
	U2	US- 5,108,739	04-21-1992	Calgene, Inc.	All
	U3	US- 5,688,684	11-18-1997	Sapporo Breweries Ltd.	All
	U4	US- 5,863,784	01-26-1999	Sapporo Breweries Ltd.	All
	U5	US- 5,082,781	01-21-1992	Shigezo Udaka	All
	U6	US- 5,625,136	04-29-1997	Ciba-Geigy Corporation	All
	U7	US- 5,034,322	07-23-1991	Monsanto Company	All
	U8	US- 5,447,858	09-05-1995	Mycogen Plant Sciences, Inc.	All
	U9	US- 8,489,540	12-03-2002	Advanced Technologies (Cambridge) Limited	All
	U10	US- 5,460,952	10-24-1995	National Science Council of R.O.C.	All
	U11	US- 5,498,832	03-12-1996	A/S De Danske Spritfabrikker	All
	U12	US- 5,712,112	01-27-1998	National Science Council of R.O.C.	All
	U13	US- 5,912,413	06-15-1999	Iowa State University Research Foundation, Inc.	All
	U14	US- 6,469,230	10-22-2002	Plant Bioscience Limited	All
	U15	US- 6,268,548	07-31-2001	Board of Regents of University of Nebraska	All
	U16	US- 5,296,462	03-22-1994	Board of Trustees Operating Michigan State University	All
✓	U17	US- 5,356,816	10-18-1994	Board of Trustees Operating Michigan State University	All
✓	U18	US			

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	F1					
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	F8					

Examiner Signature	<i>V. Woodward</i>	Date Considered	01/31/2006
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet

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Application Number	10/602,395
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First Named Inventor	Charles L. Guy
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NON PATENT LITERATURE DOCUMENTS

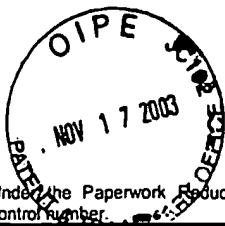
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/	R1	AVIGAD, G., DEY, P.M. "Carbohydrate Metabolism: Storage Carbohydrates" <i>Plant Biochemistry</i> 1997, P.M Dey and J. B. Harborne, eds. (Academic Press).	
/	R2	BECK, E., ZIEGLER, P. "Biosynthesis and Degradation of Starch in Higher Plants" <i>Annu. Rev. Physiol. Plant Mol. Biol.</i> 1989, Vol. 40, pp. 95-117.	
/	R3	DATTA, R. et al. "Stress-Mediated Enhancement of β -Amylase Activity in Pearl Millet and Maize Leaves Is Dependent on Light" <i>J. Plant Physiol.</i> 1999, Vol. 154, pp. 657-664.	
?	R4	DREIER, W. et al. "Light- and Stress-Dependent Enhancement of Amyloytic Activities in White and Green Barley Leaves: β -Amylases are Stress-Induced Proteins" <i>J. Plant Physiol.</i> 1995, Vol. 145, pp. 342-348.	
/	R5	FOWLER, S., THOMASHOW, M.F. "Arabidopsis Transcriptome Profiling Indicates that Multiple Regulatory Pathways are Activated during Cold Acclimation in Addition to the CBF Cold Response Pathway" <i>The Plant Cell</i> 2002, Vol. 14, pp. 1675-1690.	
/	R6	GILMOUR, S.J. et al. "Overexpression of the Arabidopsis CBF3 Transcriptional Activator Mimics Multiple Biochemical Changes Associated with Cold Acclimation" <i>Plant Physiol.</i> 2000, Vol. 124, pp. 1854-1865.	
/	R7	IWASAKI et al. "The Dehydration-Inducible Rd17 (Cor47) (Gene and its Promoter Region In <i>Arabidopsis thaliana</i> " (Accession No. AB004872) (Plant Register PGR97-156) <i>Plant Physiol.</i> 1997, Vol. 115, p. 1287.	
/	R8	KREPS, J.A. et al. "Transcriptome Changes for Arabidopsis in Response to Salt, Osmotic, and Cold Stress" <i>Plant Physiol.</i> 2002, Vol. 130, pp. 2129-2141.	
/	R9	LAO et al. "An <i>Arabidopsis</i> gene encoding a chloroplast-targeted β -amylase" <i>The Plant Journal</i> 1999, Vol. 5, No. 5, pp. 519-527.	
/	R10	MIKAMI B. et al. "The Crystal Structure of the Sevenfold Mutant of Barley β -Amylase with Increased Thermostability at 2.5 Å Resolution" <i>J. Mol. Biol.</i> 1999, Vol. 285, pp. 1235-1243.	
/	R11	MONROE, J.D., PREISS, J. "Purification of a β -Amylase that Accumulates in <i>Arabidopsis thaliana</i> Mutants Defective in Starch Metabolism" <i>Plant Physiol.</i> 1990, Vol. 94, pp. 1033-1039.	
/	R12	NIELSEN, T.H. et al. "A β -Amylase in Potato Tubers is Induced by Storage at Low Temperature" <i>Plant Physiol.</i> 1997, Vol. 113, pp. 503-510.	
✓✓	R13	SANTARIUS, K.A. "The Protective Effect of Sugars on Chloroplast Membranes during Temperature and Water Stress and its Relationship to Frost, Desiccation and Heat Resistance" <i>Planta</i> 1973, Vol. 113, pp. 105-114.	

Examiner Signature	<i>Vince Myers</i>	Date Considered	01/31/2006
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Sheet

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First Named Inventor	Charles L. Guy
Group Art Unit	1653
Examiner Name	Not yet assigned
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/	R14	SANTARIUS, K.A. "Freezing of Isolated Thylakoid Membranes in Complex Media" <i>Cryobiology</i> 1996, Vol. 33, pp. 118-126.	
/	R15	SCHEIDIG, A. et al. "Downregulation of a chloroplast-targeted β -amylase leads to a starch-excess phenotype in leaves" <i>The Plant Journal</i> 2002, Vol. 30, No. 5, pp. 581-591.	
/	R16	SEKI, M. et al. "Monitoring the Expression Pattern of 1300 <i>Arabidopsis</i> Genes under Drought and Cold Stresses by Using a Full-Length cDNA Microarray" <i>The Plant Cell</i> 2001, Vol. 13, pp. 61-72.	
/	R17	SEKI, M. et al. "Monitoring the expression profiles of 7000 <i>Arabidopsis</i> genes under drought, cold and high-salinity stresses using a full-length cDNA microarray" <i>The Plant Journal</i> 2002, Vol. 31, No. 3, pp. 279-292.	
/	R18	SINGER, M.A., LINDQUIST, S. "Thermotolerance in <i>Saccharomyces cerevisiae</i> : the Yin and Yang of trehalose" <i>Trends Biotechnol.</i> 1998, Vol. 16, pp. 460-468.	
/	R19	TODAKA, D. et al. "Water stress enhances β -amylase activity in cucumber cotyledons" <i>Journal of Experimental Botany</i> 2000, Vol. 51, No. 345, pp. 739-745.	
/	R20	WANG, Q. et al. "Identification and Characterization of a Phloem-Specific β -Amylase ^{1a} " <i>Plant Physiol.</i> 1995, Vol. 109, pp. 743-750.	
/	R21	YANCEY, P.H. "Living with Water Stress: Evolution of Osmolyte Systems" <i>Science</i> 1982, Vol. 217, p. 1214-1222.	
WV	R22	YOSHIGI, N. et al. "Construction of a Plasmid Used for the Expression of a Sevenfold-Mutant Barley β -Amylase with Increased Thermostability in <i>Escherichia coli</i> and Properties of the Sevenfold-Mutant β -Amylase" <i>J. Biochem.</i> 1995, Vol. 118, pp. 562-567.	
	R23		
	R24		
	R25		
	R26		

Examiner Signature	<i>V. Guy</i>	Date Considered	01/31/2008
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